

ORDER FOR SUPPLIES OR SERVICES										PAGE 1 OF 18	
1 CONTRACT/PURCH ORDER/ AGREEMENT NO N65540-15-D-0004			2 DELIVERY ORDER/ CALL NO 0013		3 DATE OF ORDER/ CALL (YYYYMMDD) 2016 Jul 06		4 REQ / PURCH REQUEST NO 1300574868		5 PRIORITY		
6 ISSUED BY CODE N64498 NAVAL SURFACE WARFARE CENTER PHILA CODE (b) (6) (b) (6) 5001 SOUTH BROAD STREET PHILADELPHIA PA 19112			7 ADMINISTERED BY (if other than 6) CODE S3915A DCMA PHILADELPHIA 700 ROBBINS AVENUE, BLDG. 4-A, P.O. BOX 11427 PHILADELPHIA PA 19111-0427			8 DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)					
9 CONTRACTOR CODE 08LQ0 DELPHINUS ENGINEERING INCORPORATED BOB BLENNER 1510 CHESTER PIKE STE 380 EDDYSTONE PA 19022-1375			FACILITY		10 DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11 MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED		12 DISCOUNT TERMS		
13 MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15											
14 SHIP TO CODE N64498 NAVAL SURFACE WARFARE CENTER PHILA ADRIANO HAUCK NSWC PHILADELPHIA DIVISION NSLC DETACHMENT 1601 LANGLEY AVE, BLDG 542 PHILADELPHIA PA 19112-5051			15 PAYMENT WILL BE MADE BY CODE HQ0337 DFAS COLUMBUS CENTER, NORTH ENTITLEMENT P.O. BOX 182317 COLUMBUS OH 43218-2317			MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.					
16 TYPE OF ORDER		DELIVERY/ CALL <input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract							
		PURCHASE <input type="checkbox"/>		Reference your quote dated Furnish the following on terms specified herein REF:							
ACCEPTANCE THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME											
NAME OF CONTRACTOR			SIGNATURE			TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)		
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:											
17 ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule											
18 ITEM NO		19 SCHEDULE OF SUPPLIES/ SERVICES			20 QUANTITY ORDERED/ ACCEPTED*		21 UNIT		22 UNIT PRICE		23 AMOUNT
		SEE SCHEDULE									
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.				24. UNITED STATES OF AMERICA TEL: (b) (6) EMAIL: (b) (6) BY: Jane M. DeMatto				25 TOTAL \$4,183,513.17		26 DIFFERENCES	
27a QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED											
b SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					c DATE (YYYYMMDD)		d PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE					28 SHIP NO		29 DO VOUCHER NO		30 INITIALS		
f TELEPHONE NUMBER		g E-MAIL ADDRESS			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32 PAID BY		33 AMOUNT VERIFIED CORRECT FOR		
36. I certify this account is correct and proper for payment.											
a DATE (YYYYMMDD)		b SIGNATURE AND TITLE OF CERTIFYING OFFICER			31 PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34 CHECK NUMBER		
									35 BILL OF LADING NO		
37 RECEIVED AT		38 RECEIVED BY		39 DATE RECEIVED (YYYYMMDD)		40 TOTAL CONTAINERS		41 S/R ACCOUNT NO		42 S/R VOUCHER NO	

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	Engineering and Technical Services CPFF FOB: Destination				\$0.00
				ESTIMATED COST	\$0.00
				FIXED FEE	\$0.00
				TOTAL EST COST + FEE	\$0.00

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002AA	Holding SLIN for CLIN 0002 CPFF This priced SLIN is a holding SLIN for administrative purposes. This SLIN will be reduced with every additional incremental funding modification. The current unfunded ceiling is (b) (4) FOB: Destination		Lot		(b) (4)
				ESTIMATED COST	(b) (4)
				FIXED FEE	(b) (4)
				TOTAL EST COST + FEE	(b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002AB	Funding for CLIN 0002 CPFF FOB: Destination PURCHASE REQUEST NUMBER: 1300574868		Lot		(b) (4)
				ESTIMATED COST	(b) (4)
				FIXED FEE	(b) (4)
				TOTAL EST COST + FEE	(b) (4)
	ACRN AA CIN: 130057486800001				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	Support Costs COST FOB: Destination				\$0.00
				ESTIMATED COST	\$0.00

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AA	Holding SLIN for CLIN 0002 COST This priced SLIN is a holding SLIN for administrative purposes. This SLIN will be reduced with every additional incremental funding modification. The current unfunded ceiling is (b) (4) FOB: Destination		Lot		(b) (4)
				ESTIMATED COST	(b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AB	Funding for CLIN 0004 COST FOB: Destination PURCHASE REQUEST NUMBER: 1300574868		Lot		(b) (4)
				ESTIMATED COST	(b) (4)
	ACRN AA CIN: 130057486800002				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005	Technical Data CDRLs FOB: Destination FFP				NSP
				NET AMT	<u>\$0.00</u>

NOTE TO CONTRACTOR

The labor category of Shipwright and the subcontractor, American Scaffolding, is approved for this delivery order only.

Section C - Descriptions and Specifications

STATEMENT OF WORK

CONTRACT NO. N65540-15-D-0004, 0005, 0006, 0007, 0008, 0009, 0010
INSTALLATION OF PCMS TILE ON USS (b) (2) (CVN (b) (2))
STATEMENT OF WORK

1.0 BACKGROUND

- 1.1 Passive Countermeasures System (PCMS) is a ship survivability improvement package currently installed on DDG (b) (2) LPD (b) (2) and CG (b) (2) class ships. The system is comprised of thousands of nominally thin, flexible tiles that are installed to cover many vertical surfaces. Ship Change Document (SCD) 12823 extends this system to CVN class ships. The Naval Surface Warfare Center Philadelphia Division (NSWCPD) Code 214, sponsored by the PMS 312 In-Service Aircraft Carrier Program Manager, requires that SCD 12823 be installed on USS (b) (2) CVN (b) (2).

2.0 SCOPE

- 2.1 The contractor shall provide technical installation services to complete the installation of SCD 12823 on USS (b) (2) (CVN (b) (2)). The location for installation services is Norfolk Naval Shipyard, Norfolk, Virginia (b) (2).
- 2.2 The contractor shall accomplish the PCMS tile installation during FY16 Planned Incremental Availability (PIA) period starting September 2016. The contractor shall plan to accomplish the scaffolding and encapsulation, surface preparation, installation, and sealing of approximately 30,000 square feet of PCMS tile on various locations of the ship's exterior surface including the island, fantail and port and starboard catwalks, detailed specifically in Ref. 3.7, 3.8, and 3.9. PCMS tile installation requires that the contractor first erect staging and encapsulation to maintain environmental requirements, blast the surface to SP-10, apply (b) (2), install and seal the tile, and finally deconstruct the staging and encapsulation. The Lead Maintenance Activity will be providing support services to the contractor as detailed in Para. 2.8.
- 2.3 Prior to start of installation, the contractor shall attend and participate in the NAVSEA PCMS Installation Training provided by NAVSEA 05P1 through the PCMS In-Service Engineering Agent (PCMS ISEA). This training will be held at the contractor's facility at a time to be determined after delivery order award. The training course will cover all requirements for PCMS installation, handling, and disposal. The training course's duration will be one (1) day. This training is mandatory for all members of the tile installation team except those who have taken PCMS Material Type 3R SLT3 training within the past two (2) years.
- 2.4 Prior to accomplishing PCMS production work, the contractor shall erect and maintain staging and encapsulation in all PCMS zones detailed in the Ship Installation Drawings (SIDs) (Ref 3.8). The staging and encapsulation shall provide access to the PCMS zones and enable the work zone to meet all installation environment requirements for the duration of the tasking in that zone.

The specific table of environmental requirements is identified in Para 4.5. Upon completion of tasking in that zone and subsequent Government sign-off, the contractor shall dismantle all staging and encapsulation. Depending on conflicting topside work or availability milestones/key event constraints, PCMS zones and respective staging may be divided into subzones.

- 2.5 Prior to applying and installing PCMS tile, the contractor shall accomplish surface preparation on all surfaces that receive PCMS tile. Surface preparation shall extend no less than one foot beyond any intended tile area. The type of surface preparation required will depend on the surface material and will be in accordance with the applicable NAVSEA STANDARD ITEM. Further requirements are identified in Para 4.9.
- 2.6 During surface preparation and PCMS tile installation, the contractor shall ensure that environmental requirements (Para 4.5) are met. All equipment needed to maintain the requirements shall be provided by the contractor.
- 2.7 The contractor shall procure material and provide installation services to accomplish PCMS Exhaust Vent Screen Modifications and PCMS Island and Sheathing Details. Since CVN (b) specific SIDs are not currently available, the contractor shall utilize CVN (b) SIDs to estimate and respond to this RFQ. PCMS Exhaust Vent Screen Modifications and PCMS Island Sheathing Details for CVN 71 are Ref 3.10 and Ref. 3.11 respectively. CVN (b) specific SIDs will be released to the contractor prior to the start of the availability.
- 2.8 The availability Lead Maintenance Activity (LMA) is responsible for providing PCMS support items such as temporary services and CONEX boxes. The contractor shall be responsible for coordinating with the LMA to ensure that all support requirements are arranged and in place in order to facilitate PCMS tile installation without delay or disruption. The LMA will provide:
 - 2.8.1 Temporary services to the scaffolded areas such as appropriate power supply for the contractor to maintain environmental requirements.
 - 2.8.2 Temporary services to the work areas to support surface preparation and tile installation equipment.
 - 2.8.3 CONEX Boxes and lay down work area including 2ea - 40' climate controlled refrigerated containers to store NOFORN PCMS tile; 1ea - 40' container for AIT daily work use and consumables storage; 1ea - 40' office trailer
 - 2.8.4 Labor to retain, replace and modify label plates and hull markings in way of PCMS. The contractor may be required to conduct a joint ship check with LMA to identify label plates and hull markings in way of PCMS tile application area.
- 2.9 The contractor shall provide all material, tools, and equipment relative to the surface preparation and installation of PCMS. That is not inclusive of the PCMS tile and tile sealant, however, which will be procured by the government. Specifically, the contractor shall:
 - 2.9.1 Provide blasting and painting equipment and material to complete surface preparation in accordance with applicable NAVSEA STANDARD ITEM.
 - 2.9.2 Procure and provide consumables necessary for surface preparation and PCMS tile installation.

- 2.9.3 Procure and apply fairing compound to all weld seams and surface discontinuities that are to be covered with PCMS.
- 2.9.4 Procure and apply caulking to the perimeter of all sections of installed PCMS tile.
- 2.9.5 Procure and apply sealant as a stripe coat where all PCMS tile seams abut, applied in precise thicknesses.
- 2.9.6 Provide heaters, dehumidifiers, fans, and other equipment needed to maintain environmental requirements and provide in quantities that will support several surface prep and tile installation operations concurrently in multiple locations.
- 2.9.7 Provide staging and encapsulation for all PCMS installation zones and provide appropriate materials to protect adjacent equipment and systems during surface preparation.
- 2.9.8 Provide lighting to all staging and encapsulation areas as needed to support work.
- 2.10 PCMS tile and tile sealant is government furnished material whose delivery to Norfolk Naval Shipyard shall be facilitated by the contractor. Specific transportation requirements are identified in Para 4.18.
- 2.11 The contractor shall accept, handle and dispose of PCMS tile in accordance with the provided PCMS Installation Training and in the presence and concurrence of the on-site PCMS ISEA who will be present throughout the entire installation.

3.0 APPLICABLE DOCUMENTS

- 3.1 (b) (2), General Specifications for Overhaul of Surface Ships
- 3.2 NAVSEA STANDARD ITEMS
- 3.3 (b) (2) Navy Occupational Safety and Health (NAVOSH) Program Manual
- 3.4 (b) (2) Alterations to Ships Accomplished by Alteration Installation Teams
- 3.5 (b) (2) Process and Policy for Managing Shipboard Industrial Work Performed by Alteration Installation Teams
- 3.6 Ship Change Document 12823
- 3.7 (b) (2) Passive Countermeasures System (PCMS) Installation and Repair Methods for PCMS Material Type 3R SLT3
- 3.8 (b) (2) Key Plans for CVN Class Passive Countermeasures Installation Details
- 3.9 (b) (2) Rev A CVN Class Baseline Configuration Installation Details Special Coating Materials
- 3.10 (b) (2) Passive Countermeasure System Exhaust Vent Screen Mods
- 3.11 (b) (2) Passive Countermeasure System Island Sheathing Details

4.0 REQUIREMENTS

- 4.1 Prior to the start of work, the contractor shall review all (b) (2) and the PCMS Repair/Installation Manual (RIM), in order to gain a complete understanding of all surface locations affected by PCMS, the staging and

encapsulation requirements to support PCMS installation in those locations, and the procedure for surface preparation, preparing, and installing PCMS in those locations. SIDs and the PCMS RIM are included in the RFQ and are Ref. 3.7, 3.8, 3.9, 3.10, and 3.11.

- 4.2 In accomplishing this work, the contractor shall:
 - 4.2.1 Ensure compliance with all safety regulations, including obeying and providing for the local personal protection equipment (PPE) requirements (hardhats with chin straps, steel toed safety shoes, safety eye wear, and hearing protection) per local requirements.
 - 4.2.2 Conform to shipboard routine with regard to cleanliness, personnel conduct, and the ship's security and integrity.
 - 4.2.3 Maintain a daily work schedule that is accessible and coordinate all work with Ship's Force, MARMC, and NAVSEA personnel.
 - 4.2.4 Attend all on-site daily meetings between MARMC, Ship's Force, On-Site Installation Coordinator (OSIC), and NAVSEA.
 - 4.2.5 Meet requirements of Ref. 3.2, NAVSEA STANDARD ITEMS at all times.
- 4.3 The contractor shall supply a team that will meet the following requirements:
 - 4.3.1 Be a U.S. Citizen.
 - 4.3.2 Have no criminal record.
 - 4.3.3 Be proficient in the English language.
 - 4.3.4 Have a minimum of one (1) year shipboard experience.
 - 4.3.5 Have a minimum of six (6) months experience working with PCMS tile; however, a current PCMS installation certificate is not required.
 - 4.3.6 Have the ability to successfully complete the NAVSEA PCMS Installation Training as stated in Para 2.3.
 - 4.3.7 Have the ability to climb on scaffolding to perform elevation work and mast work.
 - 4.3.8 Have the ability to read PCMS Ship Installation Drawings (SIDs).
 - 4.3.9 Be equipped with standard and local shipyard PPE equipment.
- 4.4 The contractor shall provide scaffolding for all PCMS zones detailed in the PCMS SIDs (Ref. 3.8, 3.9, 3.10, and 3.11) to accomplish total surface preparation and installation of PCMS tiles, sheathing, and exhaust vent screens. The contractor shall also provide total encapsulation in the same zones that meets the standards required for blasting to SP-10 as detailed in the RIM (Ref. 3.7). The encapsulation shall also maintain critical environmental requirements listed in Para. 4.5 and protect the area from moisture and rain. Staging and encapsulation shall remain in the place for the entire duration of surface preparation and tile installation until fully cured and until respective zone sign-off by the Government.
- 4.5 The contractor is responsible for ensuring that environmental requirements are met at all stages of surface preparation, PCMS tile preparation, and PCMS tile installation. Table 1 below outlines the critical environmental requirements that must be kept throughout the course of the installation, which includes preparation and cure times.

TABLE 1.

Environmental Requirements for PCMS Tile Storage, Preparation and Installation

PROCESS	TEMPERATURES	NOTES
Material Storage	40°F - 90°F Ambient	1
Primer Application	50°F - 90°F Surface	2,3
Fairing	50°F - 90°F Surface	2,3
Tile application	50°F - 90°F Surface	2,4
Caulking	50°F - 90°F Surface	2,4
Sealing	50°F - 90°F Surface	2,4

Note 1 - Temps must be maintained IAW (b) (2)

Note 2 - Bonding surfaces shall be dry and have a temperature of 3°F above the local dew point for adhesives and 5°F for paints.

Note 3 - Temps must be maintained until material has cured or dried in accordance with manufacturers recommendations.

Note 4 – Temps must be maintained until material has cured or dried in accordance with (b) (2)

- 4.6 Prior to initiating surface preparation operations, the contractor shall remove surface discontinuities in way of PCMS. The contractor shall coordinate with Ships Force to identify old brackets, weld joints and other discontinuities that are in way of PCMS tile application area. Hot work will be required to remove some surface discontinuities so the contractor must ensure that all hot work requirements are satisfied
- 4.7 Prior to initiating surface preparation operations, the contractor shall remove mud, oil, grease, scale and/or residual water/cargo from the surfaces where blasting will occur. In some cases, special treatment for removing soluble salts after initial washing will be required.
- 4.8 In advance of surface preparation, the contractor shall be responsible for identifying blast boundaries and PCMS tile installation boundaries. The boundaries shall be identified during walkthroughs attended by at least one designated representative from the PCMS tile installation team and the surface preparation team. The designed representatives shall be knowledgeable on their respective team's tasking and shall be capable of reading and interpreting the PCMS SIDs.
- 4.9 The contractor shall provide trade personnel to accomplish surface preparation detailed below and in Ref. 3.7. All surfaces to receive PCMS tile shall be prepared in this manner, extending to a distance of not less than one foot beyond the intended tile area wherever practicable. Where physical boundaries such as overhead, deck and catwalk grating exist, the AIT shall prepare the surface up to the boundary intersection. Where the manufactures guidance differs from the Navy Standard Item, the difference shall be referred to the OSIC or AIT Manager for adjudication. Blasting of substrate shall not occur in areas adjacent to where PCMS tile installation activity is occurring. Blasting in adjacent areas while

performing PCMS tile installation will jeopardize the integrity of the PCMS tile. The following are specific preparation requirements depending on surface material.

4.9.1 Steel: Prepare and preserve the substrate in accordance with (b) (2)

. A stripe coat shall be applied. Substrate should be prepared about one foot beyond where PCMS tile will be installed. (b) (2)

Type 5 or 6 polysiloxane shall be applied prior to PCMS installation on the one foot perimeter where surface was prepared. (b) (2) Type

5 or 6 polysiloxane shall also be applied on the required cut back areas of 1 ½" from cutouts, exposed edges, high wear areas and label plates and 2" from the deck as detailed in the PCMS RIM Section C.5.2. Adequate time shall be allotted in the sequencing and planning such that the substrate is fully cured prior to the PCMS tile installation. Government QA is required to conduct visual inspection at points during SP10 and (b) (2) application. Note: Single Coat system may be used.

4.9.2 Aluminum: Prepare and preserve the substrate in accordance with (b) (2)

A stripe coat shall be applied. Government QA is required to conduct visual inspection at points during SP10 and (b) (2) application.

4.9.3 Non-Metallic: Prepare the substrate in accordance with NAVSEA (b) (2)

only. No primer is required prior to installing PCMS tile. If primer is required in areas that were prepared and not covered by PCMS then COLUMNS B-G may be applicable only after PCMS has been installed and fully cured.

4.10 The surface preparation team shall provide, at a minimum, two teams of personnel and equipment to simultaneously accomplish blasting operations in two zones that are not adjacent or collocated, e.g. forward port catwalk and fantail. Similarly, two teams of personnel and equipment shall be provided to accomplish painting operations in two independent zones.

4.11 The surface preparation team shall obtain all blasting and painting equipment and consumables and deliver to the jobsite at least fourteen (14) days prior to the start of work.

4.12 The contractor shall be responsible for wrapping, blanking/hard blanking, and generally protecting cables, doors, windows, penetrations, and any other non-removable item that will not receive surface preparation but is in and around the areas where surface preparation will occur. This includes the installation of protective materials to prevent damage of new and existing non-skid surfaces on the island and various catwalk areas in order to prevent damage to nonskid during the blast process.

4.13 The contractor shall provide trade personnel to accomplish PCMS tile installation detailed below and in Ref. 3.7.

- 4.14 The PCMS tile installation team will be responsible for weld fairing. Weld seams and surface discontinuities that are to be covered with PCMS tile must be treated to provide a surface profile of an 8:1 taper in order to provide a suitable surface for tile adhesion. This is accomplished by filling and tapering the seam using fairing compound to be procured and provided by the contractor.
- 4.15 The PCMS tile installation team shall apply PCMS tile sealant as a stripe coat in specific thicknesses. The contractor shall paint a 2" wide stripe coat of sealant with a foam roller where all seams abut and on the edges of tile over the caulking. Stripe coat shall be no thicker than 4-6 mils DFT. The sealant shall be Enecon Eneseal HF, Navy Haze Gray, and shall be provided by the government. The GFM PCMS tiles will be shipped from the manufacturer with a 6 mils DFT coat already applied; therefore the contractor shall only apply sealant to the tile seams and edges. The contractor shall ensure that quality assurance measures are implemented to meet those thickness criteria and captured in the onsite QA workbook, detailed in Para 4.20. Additionally, paint thickness shall be subject to verification and sign-off by a government representative before completion of a tiled area.
- 4.16 The contractor shall provide services to process and remediate any HAZMAT, controlled blast media, and paint waste produced by the surface preparation or PCMS installation process.
- 4.17 The contractor shall procure all consumable tools and material to support the surface preparation and installation of PCMS tile. Specific material required for purchase is detailed in Para 8.0. Quantity and type of consumable shall be detailed in the contractor's proposal response to this RFQ.
- 4.18 The contractor shall provide two (2) U.S. Citizens and a fully enclosed transportation vehicle with a lock to move GFM from a local Norfolk warehouse within 50 miles of Norfolk Naval Shipyard (address will be provided when appropriate) to the ship. Where material is NOFORN, drivers shall be US Citizen and shall directly move material from warehouse to the CONEX box on the flight deck. No stops are authorized when transporting material. Material is packaged on pallets and cannot be stacked.
- 4.19 The contractor shall prepare a detailed Microsoft Project installation milestone schedule (POA&M) fifteen (15) days after delivery order award. The POA&M will be based around inputs from NSWCPD, MARMC, and the LMA. Due to the tile installation being dependent on other conflicting topside work, this POA&M will be closely coordinated with MARMC, the LMA, and NAVSEA. The contractor shall provide an employee knowledgeable in MS Project to update this POA&M on a weekly basis in order to provide a schedule update to the LMA. The updated POA&M shall be submitted to NSWCPD weekly. (CDRL A003)
- 4.20 Using Item No. 009-04 of Ref. 3.2, Section 3.12 of Ref. 3.4, and Appendix B of Ref. 3.5, the contractor shall develop a QA Workbook to be maintained and updated on-site. This workbook shall be used to keep and in-process record of Quality Control Inspections and be provided to NSWCPD for review forty (40) days prior to the start of the availability. A completed copy of the QA Workbook shall be provided to NSWCPD within two (2) weeks after completion of the installation. (CRDL A004)

- 4.21 The contractor shall supply a daily Work Status Report that will be used to communicate work accomplished, delays or disruptions, design changes, work scheduled for the next day, and any other relevant information. The Work Status Report shall be provided to the OSIC and NSWCPD by COB each day.
- 4.22 The contractor shall develop a Microsoft Access/Excel Work Completion Tracking Sheet used to track what ship zones have been scaffolded/encapsulated, set up, blasted, painted, and tiled. The database shall be laid out according to each ship surface section and will track surface completion percentages. This tracking database shall be submitted to NSWCPD at least two (2) weeks prior to the start of the availability for review and submitted weekly with an updated status once the installation has started.
- 4.23 The contractor shall generate a financial status report of delivery order funding to be maintained and updated monthly. All identified disconnects between work completion and funds expended percentages shall be addressed. The first report shall be delivered to NSWCPD thirty (30) days after the delivery order award and updated and submitted monthly thereafter. (CDRL A002)

5.0 DELIVERABLES/SCHEDULE

- 5.1 A detailed Installation Milestone Schedule (POA&M) shall be submitted within fifteen (15) days after delivery order award. The POA&M shall be revised on-site weekly and a copy submitted to NSWCPD weekly. (Para. 4.19 CDRL A003)
- 5.2 A Quality Assurance (QA) Workbook shall be assembled by the contractor as per No. 009-04 of Ref. 3.2, Section 3.12 of Ref. 3.4, and Appendix B of Ref. 3.5, and maintained on-site. This QA Workbook shall be delivered to NSWCPD forty (40) days prior to the start of the availability for review and within two (2) weeks of installation completion. (Para. 4.20 CDRL A004)
- 5.3 A daily Work Status Report shall be provided to the OSIC and NSWCPD daily. (Para 4.21)
- 5.4 The contractor shall develop and submit a Work Completion Tracking Sheet to NSWCPD at least two (2) weeks prior to the start of the availability and updated weekly once the installation has begun. (Para 4.22)
- 5.5 The contractor shall submit a financial status report thirty to NSWCPD (30) days after the delivery order award and monthly thereafter. (Para 4.23 CDRL A002)

6.0 SCHEDULE

- 6.1 The installation shall take place during (b) (2) FY16 Planned Incremental Availability (PIA) period starting September 2016. The installation preparation shall commence immediately upon delivery order award. Installation schedule will be determined by inputs from MARMC, the LMA, and NSWCPD. The contractor PCMS tile installation team shall work ten (10) hours a day, six (6) days a week with an extended schedule authorized upon NSWCPD concurrence.
- 6.2 The NAVSEA PCMS Installation Training will be scheduled based on inputs from NAVSEA and the contractor after the delivery order award.

7.0 GOVERNMENT FURNISHED INFORMATION/MATERIAL

- 7.1 All PCMS tile and Enecon Eneseal HF will be furnished by the government. GFM delivery to Norfolk Naval Shipyard is detailed in Para 4.18. On-site storage shall be provided by the LMA.

8.0 CONTRACTOR FURNISHED MATERIAL

- 8.1 The contractor shall supply all required PPE for the duration of the installation.
- 8.2 The contractor shall supply all consumable tools, equipment, and material needed to execute the surface preparation and installation. Consumable items that must be specifically procured are as follows:
- 8.2.1 Pro line Magic Surfacers Fairing Compound 2 Gallon Kits (Pro Line Paint, 2640 Main St San Diego, CA, 92113)
- 8.2.2 Bio-Chem Hi-Solve 134 Degreaser
- 8.2.3 BASF Dega Seal 22 Urethane Adhesive Caulking in ALUMINUM GRAY
- 8.2.4 Foam Filler Door Kits: (b) (2) from Seal Science, Inc., 17131 Daimler Street, Irvine, CA, 92614
- 8.3 The contractor shall supply all equipment and material to stage and scaffold all PCMS zones.
- 9.0 TRAVEL**
- 9.1 Travel to Norfolk, VA, is authorized upon approval by NSWCPD.
- 10.0 CLASSIFIED MATERIAL**
- 10.1 PCMS tile is unclassified but NORFON material. Release to USA citizens only.
- 11.0 PERIOD OF PERFORMANCE**
- 11.1 From Task Order award to 30 September 2017.
- 12.0 PLACES OF PERFORMANCE**
- 12.1 The installation will take place in Norfolk Naval Shipyard, Norfolk, Virginia. The NAVSEA PCMS Installation Training will be held at the contractor's facility.
- 13.0 OVERTIME**
- 13.1 Overtime is authorized upon NSWCPD concurrence.
- 14.0 CONTRACTOR PERSONNEL IDENTIFICATION**
- 14.1 In the performance of this contract, contractor employees shall identify themselves as contractor personnel by introducing themselves or being introduced as contractor personnel and by displaying distinguishing badges or other visible identification for meetings with government personnel. Contractor personnel shall appropriately identify themselves as contractor employees in telephone conversations and formal and informal written correspondence.
- 15.0 CONTRACTING OFFICER REPRESENTATIVE (COR)**
- 15.1 The COR for this delivery order is (b) (6) NSWCPD Code (b) (6) Philadelphia, PA (b) (6)
- 16.0 SUBJECT MATTER EXPERT**
- 16.1 The SME for the delivery order is (b) (6) , NSWCPD Code (b) (6) Philadelphia, PA (b) (6) and (b) (6) NSWCPD Cod Philadelphia, PA (b) (6)

LOE

LABOR CATEGORY	Delphinus
	ST/OT
Engineer	250

QA Specialist/Tech	488
Systems/Program Analyst	96
Sr. Engineering Tech	40
Engineering Tech	2,834/396
Shipfitter/Burner/Welder	480/240
Maint. Trades Helper	6,860/440
Painter/Sandblaster	21,439
Insulator/Lagger	10,000/4,238
Logistician	700
Clerk/Typist	296
Planner/Estimator	184
Marine Equip Mechanic	1,286/586
Shipwright	7,010
Total Hours	51,963/5,900

Total Ceiling:

Labor - (b) (4)

Fee - (b) (4)

Total Labor & Fee - (b) (4)

Support Costs - (b) (4)**Grand Total - (b) (4)**

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0002	N/A	N/A	N/A	Government
0002AA	Destination	Government	Destination	Government
0002AB	Destination	Government	Destination	Government
0004	N/A	N/A	N/A	Government
0004AA	Destination	Government	Destination	Government
0004AB	Destination	Government	Destination	Government
0005	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC
0002	N/A	N/A	N/A	N/A
0002AA	POP 07-JUL-2016 TO 30-SEP-2017	N/A	NAVAL SURFACE WARFARE CENTER PHILA (b) (6) NSWC PHILADELPHIA DIVISION NSLC DETACHMENT (b) (6) PHILADELPHIA PA 19112-5051 (b) (6) FOB: Destination	N64498
0002AB	POP 07-JUL-2016 TO 30-SEP-2017	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	N64498
0004	N/A	N/A	N/A	N/A
0004AA	POP 07-JUL-2016 TO 30-SEP-2017	N/A	NAVAL SURFACE WARFARE CENTER PHILA (b) (6) NSWC PHILADELPHIA DIVISION NSLC DETACHMENT (b) (6) PHILADELPHIA PA 19112-5051 (b) (6) FOB: Destination	N64498
0004AB	POP 07-JUL-2016 TO 30-SEP-2017	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	N64498
0005	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

FUNDING

This order has hereby been awarded and incrementally funded in the amount of (b) (4). As a result, the total amount of funding obligated and available for payment under this order is (b) (4). It is estimated that the funding under this order will cover the cost of performance through 30 September 2016. In accordance with contract clause 52.232-22, Limitation of Funds, the Government is not obligated to reimburse the contractor for any costs incurred in excess of (b) (4) unless additional funds are made available and obligated under this order in a subsequent modification. The total unfunded balance remaining is (b) (4) based on the total delivery order value.

ACCOUNTING AND APPROPRIATION DATA

AA: 1761810 61LT 310 CV312 0 050120 2D 000000

COST CODE: A00003469545

AMOUNT: (b) (4)

CIN 130057486800001: (b) (4)

CIN 130057486800002:

Section J - List of Documents, Exhibits and Other Attachments

CDRLS

The following CDRLs will be uploaded into EDA as attachments:

- 1) A003 – POA&M
- 2) A004 – Quality Assurance Workbook
- 3) A002 – Financial Status Report